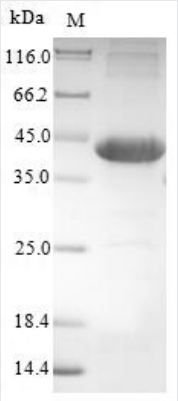
Lysyl Endopeptidase (prpL) Pseudomonas Aeruginosa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lysyl endopeptidase (prpL), Recombinant Protein
Full Product Name	Recombinant Pseudomonas aeruginosa Lysyl endopeptidase
Product Gene Name	prpL recombinant protein
Product Synonym Names	Protease IV; pvdS-regulated endoprotease
Sequence	AGYRDGFGAS GSCEVDAVCA TQSGTRAYDN ATAAVAKMVF TSSADGGSYI CTGTLLNNGN SPKRQLFWSA AHCIEDQATA ATLQTIWFYN TTQCYGDAST INQSVTVLTG GANILHRDAK RDTLLLELKR TPPAGVFYQG WSATPIANGS LGHDIHHPRG DAKKYSQGNV SAVGVTYDGH TALTRVDWPS AVVEGGSSGS GLLTVAGDGS YQLRGGLYGG PSYCGAPTSQ RNDYFSDFSG VYSQISRYFA P
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	42.4 kDa
Sequence Positions	212-462. Full Length of Mature Protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9HWK6
Production Note	**Special Offer:** The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our **technical support team** **or email to** **support@mybiosource.com** for more details.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for prpL recombinant protein	MBS1471528 is a recombinant protein targeting prpL. Also known as Recombinant Pseudomonas aeruginosa Lysyl endopeptidase. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. Lysine-specific endoprotease. Involved in corneal virulence.
Product References and Citations for prpL recombinant protein	Identification of the active site residues of Pseudomonas aeruginosa protease IV. Importance of enzyme activity in autoprocessing and activation.Traidej M., Marquart M.E., Caballero A.R., Thibodeaux B.A., O'Callaghan R.J.J. Biol. Chem. 278:2549-2553(2003) PrpL protease of Pseudomonas aeruginosa an important virulence determinant in corneal infections.Parveen N., Parker D.S., Fan L., Leong J.M., Goguen J.D. Complete genome sequence of Pseudomonas aeruginosa PAO1, an opportunistic pathogen.Stover C.K., Pham X.-Q.T., Erwin A.L., Mizoguchi S.D., Warrener P., Hickey M.J., Brinkman F.S.L., Hufnagle W.O., Kowalik D.J., Lagrou M., Garber R.L., Goltry L., Tolentino E., Westbrock-Wadman S., Yuan Y., Brody L.L., Coulter S.N., Folger K.R., Kas A., Larbig K., Lim R.M., Smith K.A., Spencer D.H., Wong G.K.-S., Wu Z., Paulsen I.T., Reizer J., Saier M.H. Jr., Hancock R.E.W., Lory S., Olson M.V.Nature 406:959-964(2000) Lahnstein J.Submitted (APR-2000) to UniProtKB

Other Notes	Small volumes of prpL recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of prpL recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for prpL. It may not necessarily be applicable to this product.

NCBI GI #	15599370
NCBI GeneID	880208
NCBI Accession #	NP_252864.1
UniProt Primary Accession #	Q9HWK6
UniProt Secondary Accession #	P82468; Q5I6A6; Q8VPA4
UniProt Related Accession #	Q9HWK6
GenBank Nucleotide #	NC_002516.2
NCBI Official Full Name	endopeptidase IV
NCBI Official Symbol	piv
UniProt Protein Name	Lysyl endopeptidase
UniProt Synonym Protein Names	Protease IV; PvdS-regulated endoprotease
Protein Family	Lysyl endopeptidase
UniProt Gene Name	prpL
UniProt Entry Name	LYSC_PSEAE
NCBI Protein Information	endopeptidase IV
UniProt Comments for prpL	Lysine-specific endoprotease (PubMed:12419815). Involved in corneal virulence.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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